iGolf neo

User Manual

L1 Technologies

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Welcome

Dear Valued Consumer:

We sincerely hope you will find your iGolf product both enjoyable and easy to use. Knowing the exact distance for each shot will assist you in lowering your score and enhance your overall golfing experience.

This User Manual was created for you to get the most out of your new device. It only takes a few minutes to read, after which you can immediately begin using the iGolf Neo and enjoying its many features.

Also, please visit www.iGolf.com to explore the benefits of becoming an iGolf Member. As a member, you have access to all the features and benefits iGolf.com has to offer, including access to an extensive database of GPS enabled golf course files for use on your iGolf Neo.

Thank you for choosing iGolf.

Sincerely,

L1 Technologies

Important Information

Legal Disclaimer

By using this product, you agree that L1 Technologies, Inc. will not be held legally responsible for any injury or damage to you or any person or property caused by the user's improper operation and/or poor judgment while using this product

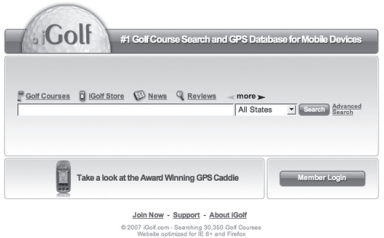
Note: See Limited Warranty for other limitations on our liability.

Additional Information

The Global Positioning System (GPS), a network of 24 satellites orbiting Earth, is operated and maintained by the U.S. government. This GPS device requires at least 3 satellites to be acquired to accurately determine your position. Any change made to the system by the government could affect the accuracy and performance of this product.

iGolf.com

iGolf.com
iGolf.com is an online resource for all golfers, but serves as a community for iGolf members to access GPS golf course files to use with their iGolf products. Membership is not required for much of the content; however, access to GPS course files and the ability to download GPS files requires a membership.



Download Course Files

1. Go to www.iGolf.com, and log in to access account. If not a member, use the "Join Now" link to become a member.
2. Search for desired course using simple terms to broaden results (i.e. Augusta National Golf Club: search for *Augusta*).
3. Select course name from search results and download GPS file.
4. When prompted, SAVE file to green iGolf folder on the desktop.
5. Use iGolf Sync to transfer golf course file to device.

Visit www.iGolf.com today to become a member!

Package Contents – Additional Requirements

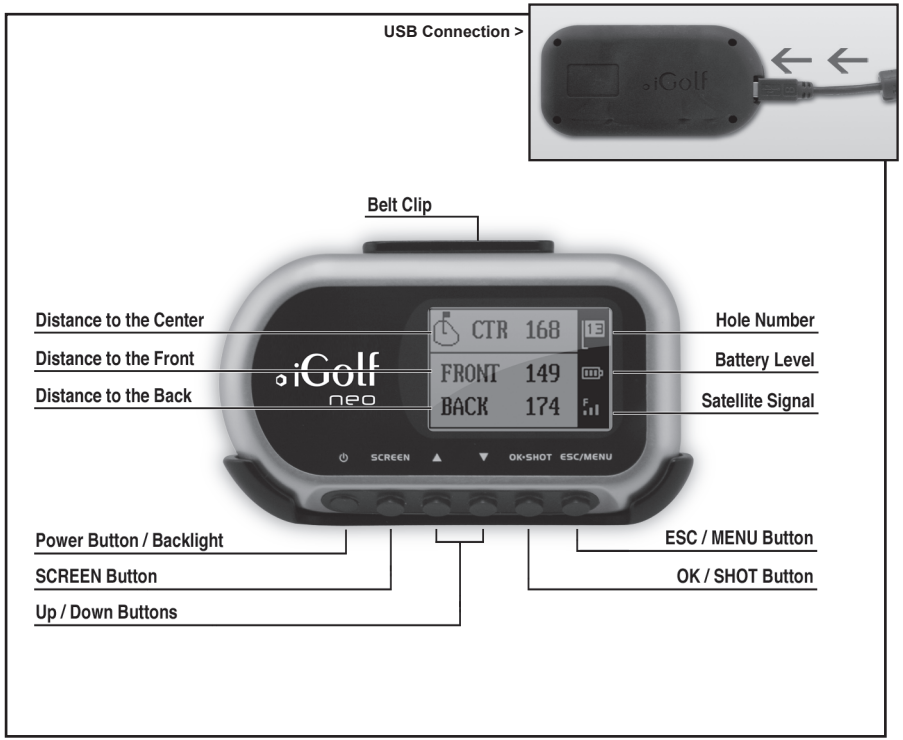
Package Contents*
1 - iGolf Neo
1 - Belt Clip
1 - USB Cable
1 - AC/DC 5V Adapter
1 - Software CD
1 - User Manual
1 - Quick Start Guide

**Please contact vendor if your package is incomplete.*

Additional Requirements*
PC with Windows Vista, Windows XP, Windows 2000, Windows Me or Windows 98**
PC with CD-ROM
PC with USB port

** Required to transfer files from computer*
*** Windows is a registered trademark of Microsoft Corporation in the United States and other countries.*

iGolf Neo Features



Battery Information

Battery Information

This product contains an internal rechargeable lithium-ion battery. Under normal operating conditions, a new battery will last 14-16 hours on a full charge. However, battery life is diminished due to a variety of factors including temperature and backlight usage. All rechargeable batteries lose their effective charge length over time.

The internal battery can be charged by connecting the included USB cable to the device and a computer. Alternatively, the battery can be charged by connecting the USB cable to the device and using the included adapter to plug the charger into a standard 110V wall outlet.

Keypad Function – Start-up

Keypad Function

Power Button
- Turns the device on and off
- Turns the backlight on and off

SCREEN Button
- Switches between screens within Play Golf mode

Up Button
- Scrolls up
- Changes hole number (+)

Down Button
- Scrolls down
- Changes hole number (-)

OK/SHOT Button
- Selects highlighted option
- Activates Shot Distance

ESC/MENU Button
- Cancels current operation
- Returns to previous step or screen

Start-Up

Power On
- Press and hold power button until the welcome screen appears (about 2 seconds).

Power Off
- Press and hold power button until the screen goes blank.

Backlight On/Off
- From any screen, press power button to turn backlight on.
- Press power button again to turn backlight off.

Main Menu

Main Menu

The Main Menu displays all the features available to the user, which are explained in detail in subsequent sections of this User Manual. To begin using the device, scroll to highlight any feature and press OK.

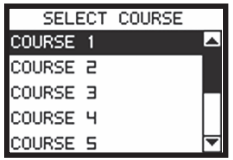
Feature Descriptions

Play Golf	Select to play golf using GPS data
Map Course	Select to create and customize golf course files
Delete Course	Select to delete files from the device
Satellites	Select to view satellite position and signal strength
Battery Level	Select to verify remaining battery power
Sync Handheld	Select to sync or save files to computer
Settings	Select to customize additional features
About iGolf	Select to display version and company information

Play Golf

Play Golf

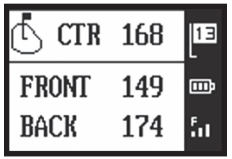
This feature is the main interface to display distance information. Course information must be first downloaded from iGolf.com or manually entered using the Map Course feature. If GPS data is available, distances to the front, center and back of the green and up to four custom points per hole will be displayed upon satellite acquisition. Highlight “Play Golf” on the Main Menu and press OK. Scroll to highlight the desired golf course and press OK.



Play Golf

Screen Operation

Up/Down buttons – – – – Move between holes
SCREEN button – – – – – Move between screens
OK/SHOT button – – – – – Activate Shot Distance
ESC/MENU button – – – – Go to Play Menu



Shot Distance Operation

From any Play Golf screen, press SHOT to activate the Shot Distance feature. Press SHOT again to establish starting point. Distance will automatically update as the user moves. Once the user reaches the end position, press SHOT to freeze the shot distance measurement. Press SHOT again to reactivate the Shot Distance feature and establish a new start position.

Play Golf

Play Menu

From any Play Golf screen, press MENU to access the Play Menu. This menu allows the user to easily view status or modify settings being used for the current course.

1. **Map Golf Hole**
   Allows the user to map the current hole being played without having to exit the game.

2. **Satellites**
   Displays various bar lengths to show signal strength for all satellites being tracked.

3. **Battery Level**
   Displays a horizontal bar representing the power remaining in the battery.

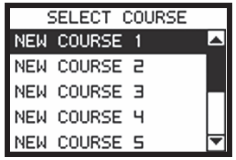
4. **Return to Game**
   Resumes play from previous hole.

5. **Exit**
   Returns to Main Menu.

Map Course

Map Course

This feature is used to manually input course name and map GPS data points. Existing course files may be customized or new files created using the device. Highlight “Map Course” on the Main Menu and press OK.



1. **Select Course**
   Scroll to highlight the desired new or existing golf course and press OK.

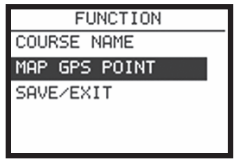
2. **Function: Course Name**
   To revise name highlight “Course Name” and press OK. Names are limited to fourteen (14) characters and should be distinguishable from other golf courses entered. Scroll to highlight the character and press OK. To delete characters, scroll to “BKSPC” and press OK. When finished, scroll to highlight “SAVE” and press OK.

Map Course

Map Course (continued)

3. Function: Map GPS Point

To add or revise GPS data highlight “Map GPS Point” and press OK. Select the desired hole and press OK. Highlight point to map* and press OK. Stand at desired location, confirm satellite strength and press OK to register point. Do not move until process is complete. Repeat these instructions for all desired points. When finished, scroll to highlight “Save” and press OK. Repeat for all holes, then select “Save/Exit” to return to Main Menu.



**If mapping a Custom Point, the user may customize the name prior to registering GPS data. The user may select from a list of common abbreviations, or choose a six (6) character name, to easily identify the point on the course. If the user chooses not to customize the name, proceed directly to “Register Point”.*

4. Function: Save/Exit

After all data has been entered and/or captured, the user MUST scroll to “Save/Exit” and press OK to save all information. All entered data will be lost if function is exited without saving.

Delete Course - Satellites - Battery Level - Sync Handheld

Delete Course

This feature allows the user to permanently remove a golf course file from the device. Highlight “Delete Course” on the Main Menu and press OK. Scroll to highlight the golf course to delete and press OK. To remove course from device, confirm by highlighting “Yes” and pressing OK.

Satellites

This feature displays the GPS satellites recognized by the device. Satellites providing location data to the device for use in distance calculation are represented by black horizontal bars and black boxes around the satellite numbers. Typically, at least three satellites providing location data are required before GPS distance can be calculated. Highlight “Satellites” on the Main Menu and press OK.

Battery Level

This feature displays the status of the battery in the device. Battery information is displayed using a horizontal bar representing the amount of power remaining in the battery. Highlight “Battery Level” on the Main Menu and press OK.

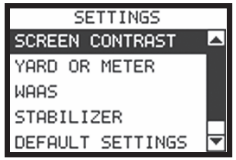
Sync Handheld

This feature initiates communication between the device and computer, allowing golf course files to be transferred using the iGolf Sync software. When the device is ready to send or receive files, the connection status will display “Waiting”. Once the transfer of files has begun, the file name will be displayed on the screen. Highlight “Sync Handheld” on the Main Menu and press OK.

Settings

Settings

This feature provides various configuration settings to personalize the device, such as screen contrast, distance measurement and GPS performance. Highlight “Settings” on the Main Menu and press OK.



1. Screen Contrast
Allows the user to adjust the contrast of the screen to aid viewing in various light conditions.

2. Yard or Meter
Allows the user to select yards or meters as the measure of distance.

3. WAAS
Allows the user to select if location correction is used to improve GPS accuracy within the United States. Commonly known as WAAS, this system of satellites and ground stations provides GPS signal corrections for much of the U.S. The user may need to adjust the WAAS setting according to geographic location. The default setting on the device is “On”.

Settings

Settings (continued)

4. Stabilizer
Allows the user to select the rate at which the device refreshes GPS position. With stabilizer “On” the device will not refresh GPS distance readings once movement has ceased. This is useful to users who experience fluctuating distance readings, even though they are stationary. The default setting on the device is “On”.

5. Default Settings
Allows user to return device to factory default settings. All data, including course files, will be permanently deleted. It is recommended all files are saved to computer prior to accessing this setting.

6. Update
For factory use only.

About iGolf

About iGolf

This feature displays general information pertaining to the device including version of software. Highlight “About iGolf” on the Main Menu and press OK.

Introduction

Introduction

iGolf Sync provides the user with all the tools required to enable communication between the device and Windows Vista, Windows XP, Windows 2000, Windows Me, or Windows 98* computer. Using this interface, the user can control every aspect of golf course file management. From accessing the iGolf.com database to syncing course files, iGolf Sync encompasses many functions which enhance the GPS experience.

Feature Descriptions

Sync Courses _ _ _ _ Select to transfer data from computer to device
Download Courses _ _ Select to access iGolf.com database of golf course files
Save Courses _ _ _ _ Select to transfer all course files from device to computer
Create/Edit _ _ _ _ _ Select to create or edit scorecard data on computer
Settings _ _ _ _ _ _ Select to change COM Port and modify course file locations

** Windows is a registered trademark of Microsoft Corporation in the United States and other countries.*

Installation

Installation

Follow these instructions to assist in the proper and complete installation of iGolf Sync on a computer. Confirm USB cable is not attached to computer before beginning installation.

To install iGolf Sync on a Windows Vista, Windows XP, Windows 2000, Windows Me, or Windows 98 computer*:

1. Insert CD included with the product into computer.
2. Go to “Start”, select “My Computer” and open appropriate CD drive to view contents.
3. Select “iGolf Neo Installer” to launch program.
4. Select “USB Driver Setup” to install required drivers.
5. Select “Sync Application” to install sync software.
6. Launch software from “iGolf Neo Sync” icon on desktop.

Note: If trouble with installer, check for Software Updates at www.igolf.com/about_us/techsupport.

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Sync Courses

Sync Courses

This feature allows the user to transfer golf course files from a computer to the device. Select “Sync Courses” from Main Menu and follow the on-screen instructions. For further assistance, please note:

1. The USB cable must be connected to device and computer.
2. Multiple courses can be selected and transferred at one time. This device will hold up to ten (10) course files.

Download Courses

Download Courses
This feature provides direct access to iGolf.com where users may search for golf courses and members may download files. Select “Download Courses” and login to access account. If not yet an iGolf.com member, use the “Join Now” link to enroll. For further assistance, please note:

1. Search for desired course using simple terms to broaden results (i.e. Augusta National Golf Club: search for *Augusta*).
2. If search returns more than one page of results, use Advanced Search to narrow results.
3. When prompted, SAVE file to the green “iGolf” folder on the desktop. Files downloaded from iGolf.com cannot be opened on the computer.

Save Courses

Save Courses
This feature allows the user to transfer golf course files from the device to a computer. Select “Save Courses” from Main Menu and follow the on-screen instructions. For further assistance, please note:

1. The USB cable must be connected to device and computer.
2. Individual courses may not be selected. All course files on device will be saved to Backup folder within green iGolf folder on the desktop.

Create/Edit

Create/Edit
This feature provides direct access to iGolf.com where members may create and edit golf course files. Select “Create/Edit” and login to access account. If not yet an iGolf.com member, use the “Join Now” link to enroll. For further assistance, please note:

1. This feature only allows general text entry, including names and abbreviations.
2. When completed, file must be saved to green iGolf folder on the desktop.

Settings

Settings
This feature allows the user to specify how the device communicates with a computer and where course files are stored. Select “Settings” from Main Menu. For further assistance, please note:

1. Always set COM to “AUTO” unless specific port being used is known. Software does not support higher than COM9.
2. Default course file storage location is C:\iGolf. If the setting must be changed, note new location and save downloads from iGolf.com in same folder.
3. Default setting is all files from device replace files of the same name stored on computer. If changed to “No”, modified files on device will not replace files of the same name on computer.
4. Default course file backup location is C:\iGolf\Backup. If the setting must be changed, note new location.

Appendix A - Troubleshooting

Problem 1: The backlight does not work.
- Turn unit off for ten (10) seconds and try again. Re-test in a low-light environment.
- From Main Menu, press and release power button.

Problem 2: The device will not turn off.
- Press and hold power button for at least ten (10) seconds.

Problem 3: There are no golf course names listed in Play Menu.
- No golf course files are loaded on the device.
- Transfer file again and confirm that the iGolf Sync software reads “Completed” before disconnecting device.

Problem 4: There is no GPS data for the selected golf course.
- No golf course files are loaded on the device.
- Confirm GPS file downloaded from iGolf.com. (Note: GPS data not included in scorecard files).
- Confirm mapped GPS points were saved prior to exiting the Map Course feature.
- Confirm the device has acquired at least 3 satellites.

Problem 5: There are no custom points available for my golf course.
- No custom points are loaded on the device.
- Confirm custom points are available on iGolf.com for golf course in question.
- Confirm GPS file downloaded from iGolf.com. (Note: GPS data not included in scorecard files).
- Confirm mapped GPS points were saved prior to exiting Map Course feature.

Appendix A - Troubleshooting (Continued)

Problem 6: GPS points cannot be mapped/registered on device.
- Ensure satellite strength is sufficient to obtain accurate data.
- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- Time of day may affect GPS signal strength. Reattempt during various hours of the day.

Problem 7: Entire golf course name cannot be entered in the space provided.
- Limit the golf course name to fourteen (14) characters.
- Abbreviate name so it can be identified from other golf courses on device.

Problem 8: There are no satellites in view.
- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- The time required to acquire satellites may increase to 5-10 minutes for first use or if device has not been used for an extended period of time.

Problem 9: The distances on the device are inaccurate.
- Confirm correct golf course and hole number are selected from Play screen.
- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- Go to Settings and set WAAS to “Off”.
- Go to Settings and set Stabilizer to “On”.
- Remap GPS points using device and confirm accuracy.
- Report any GPS or scorecard errors found through iGolf.com.

Appendix A - Troubleshooting (Continued)

Problem 10: The distances on the device are in yards, not meters.
- Go to Settings and set device to display “Meters”.

Problem 11: The distance displayed on the device is fluctuating.
- Go to Settings and set Stabilizer to “On”.
- Move to a clear, unobstructed view of the sky (i.e. no trees, buildings or objects that might interfere GPS satellite strength).
- Go to Settings and set WAAS to “Off

Problem 12: Sync software does not state “Connected”.
- Confirm USB cable is connected to computer.
- Confirm USB cable is connected to the device.
- Confirm sync software was installed correctly. Remove and reinstall software if necessary.
- Confirm correct COM port selected.

Problem 13: Golf course files cannot be sent to the device.
- Confirm USB cable is connected to the device.
- Confirm sync software was installed correctly. Remove and reinstall software if necessary.
- Confirm correct COM port selected.
- Confirm status as “Connected” on sync software.
- Confirm file to be sent is selected on sync software.

Appendix A - Troubleshooting (Continued)

Problem 14: Golf course files cannot be saved to computer from device.
- Confirm USB cable is connected to the device.
- Confirm sync software was installed correctly. Remove and reinstall software if necessary.
- Confirm correct COM port selected
- Confirm status as “Connected” on sync software.

Problem 15: No golf course files are available to transfer in sync software.
- Confirm settings in sync software to locate file sync location. The default location is C:\iGolf.
- Perform a search for the file using search feature on computer.

Problem 16: Saved golf course files cannot be located on computer.
- Confirm settings in sync software to locate file save location. The default location is C:\iGolf\Backup.
- Perform a search for the file using search feature on computer.

Problem 17: No more golf course files can be transferred to the device.
- Delete unused files from the device to make room for new files.
- Ensure files deleted from device are safely saved on computer before confirming deletion.
- Approximately ten (10) courses can be stored on your device.

Appendix B - Limited Warranty

Limited Warranty

The limited warranty on the hardware of your iGolf product covers parts and labor against defects in material or workmanship for a period of ninety (90) days from the original date of purchase from a Company-authorized vendor. You can extend the warranty period to twelve (12) months from the original date of manufacture by joining iGolf.com and registering your iGolf product within ninety (90) days of the purchase date. Visit www.iGolf.com to enroll. Products returned to L1 Technologies, Inc. (the "Company") under warranty will be repaired or replaced with the same or a functionally equivalent product by Company, at its discretion, free of charge provided you: (1) return the failed product directly to a Company approved repair facility with sufficient insurance and shipping charges prepaid, and (2) provide Company with a copy of the receipt showing the original date of purchase and the amount paid. Repaired or replacement products will be returned to you with shipping charges prepaid and will be warranted for the remainder of the original warranty period or ninety (90) days from date of shipment, whichever is longer. Replacement products may be refurbished or contain refurbished materials. If Company, by its sole determination, is unable to repair or replace the defective warranted product, it will refund the purchase price of the product.

Appendix B - Limited Warranty

Limited Warranty (continued)

This warranty does not apply if, in the judgment of Company, the product fails due to damage from abuse or misuse, accident, storage, shipment, handling, or if it has been used or maintained in a manner not conforming to product manual instructions, has been modified in any way, or has had any ID number removed or defaced. Purchaser is responsible for filing an insurance claim with the carrier for any damage due to shipping. Repair by anyone other than an approved agent will void this warranty. The maximum liability of Company under this warranty is limited to the purchase price of the product covered by the warranty. Prior to returning any defective product, a Return Materials Authorization (RMA) number must be obtained directly from Company. All defective products must be returned to Company with insurance and shipping charges prepaid. Company will not accept collect shipments.

EXCEPT AS SPECIFICALLY PROVIDED IN THIS AGREEMENT OR AS REQUIRED BY LAW, THE WARRANTIES AND REMEDIES STATED ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER, ORAL OR WRITTEN, EXPRESS OR IMPLIED. ANY AND ALL OTHER WARRANTIES, INCLUDING NON-INFRINGEMENT OR THIRD PARTY RIGHTS ARE EXPRESSLY EXCLUDED. COMPANY SHALL NOT UNDER ANY CIRCUMSTANCES BE LIABLE TO ANY PERSON FOR ANY SPECIAL INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITAION, DAMAGES RESULTING FROM USE OR MALFUNCTION OF THE PRODUCTS, LOSS OF THE PROFITS OR REVENUES OR COSTS OF REPLACEMENT GOODS, EVEN IF COMPANY IS INFORMED IN ADVANCE OF THE POSSIBILITY OF SUCH DAMAGES.

Retain original proof of purchase with this warranty for future reference.